



## Rhino Ecoclear

*High performance waste water treatment system*

*The Ecoclear waste water treatment system is the best performing lamella clarifier designed for use in wheel washing applications. It has been developed in collaboration with Scott Vickers Pte, the creators of the Cleartec range of systems which have been successfully cleaning waste and surface water from construction sites for many years, worldwide.*

*The Ecoclear effectively removes suspended solids from the waste water generated by wheel washing operations. Although it only requires an area of 12m<sup>2</sup>, the Ecoclear has an effective settlement capacity exceeding 200m<sup>2</sup>, which enables clarifying the waste water to a similar quality as if it had flowed through 16 standard settlement tanks in a row or 2 standard lagoons. This enables high quality recycled water to be re-used in the wheel washing process, thus maximising performance.*

*The incoming waste water enters the Ecoclear system via a primary tank. This slows the water down and settles out the heaviest solids with the aid of 2 inclined steel plates fitted internally. The water then flows into the clarifying section where the lamella blocks are situated. The quality of the treated water is attributed to the large internal surface area created by the lamella blocks located in this chamber. They provide 192m<sup>2</sup> of sloping surfaces for the suspended solids to contact. Once contacted, the solids collect on the lamella blocks then sink down to the hopper in the base forming sludge. The hopper is fitted with a knife valve for easy emptying. Meanwhile, clean water rises to the top of the chamber and weirs over into a header tank.*

*The Ecoclear is supplied with steel lids that cover the top of the unit. This prevents blockages from falling debris or foliage entering the system. The lids are easy to open for access into the lamella chamber. Access is only required periodically to wash down the lamella blocks to maximise performance.*

*The Ecoclear works effectively without the need for chemical treatment and requires only a flat, level hardstanding. The unit can be quickly and easily set up in conjunction with a Wheelwash- supplied system or retrospectively fitted to others.*

*Wheelwash also supplies the full range of Cleartec waste water treatment systems for treating waste and surface water from construction sites, enabling safe discharge into public drains.*



no power



=200m<sup>2</sup> effective water recycling capacity



no operator



mobile



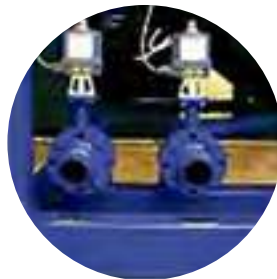
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Primary tank	2000mm x 4000mm x 2000mm 16,000 L capacity
Secondary Tank	4000mm x 1800mm x 2500mm = 192m <sup>3</sup>
Header Tank	2000mm x 2000mm x 4000mm 12,000 L capacity
Total capacity	200m <sup>3</sup> = 16 settlement tanks = 2 lagoons



*Lamella blocks  
provide a large surface  
area for effective  
solids removal*



*Autohopper discharge  
valves for automatic  
emptying*



*Covered hinged  
walkway*



*Quality recycled  
water*

## Customer Requirements

- Clear lifting zone for offloading with Hiab
- Compacted level hardcore or concrete / tarmac base for the system and associated ramps and tanks
- Nominated site personnel to be available for training

## Additional Information

We supply:

- Free of charge site consultations
- Technical drawings, RAMS & lifting plans
- 12/weekly service visits included in hire rates
- Maintenance contracts for purchased units
- Technical support from trained and experienced engineers



[www.wheelwash.com](http://www.wheelwash.com)